

Release Notes: MAG v3.10.1

v3.10.1 - release May, 2016

- The number of cycles for exmag_processor.pl to process is now configurable (defined cycles-to-process tag for each cycle in MAG.xml) and can also be overridden on the command line with ‘-c <num>’
- Ability to sync to Boulder (referred to as “Site B”) has been added. If environment variable SYNC_TO_B == ‘YES’ in mag_processor jobs, files will be synced to Boulder. New ecflow jobs have been created for the Boulder syncs.
- New subdirectories have been added to GFS output directory to improve performance on website during periods of peak demand. Under each cycle subdirectory, a subdirectory for each area has been added. Under each area a directory has been added for each parameter, under all GIF files for that area and parameter are stored. Rules has been introduced on the Apache webserver to rewrite the paths for file access (for those accessing the gif files directly). This ‘forwarding’ will remain in place until the next MAG release.
- Contour smoothing was updated to be the same for all models and products.
- The CONUS area has been expanded.
- The RAP model was updated to add the following products:
 - precip_ptot
 - precip_rate
 - vis
 - sim_radar_1km
 - sim_radar_comp
 - 2m_temp_10m_wnd
 - 2m_dewp_10m_wnd

- 10m_wnd_sfc_gust
- The SREF model received the following updates:
 - it is now generated from 16km resolution input
 - a new Alaska region has been added.
- Several updates were made to the RTMA model:
 - Area graphic is now displayed on the parameter page, with chosen region indicated with a red box (replaces a US graphic used for all).
 - The swregion area name was changed to sw_us
 - The 2m_temp and 2m_dwpt products were updated to:
 - reduce the contour interval from every 8 degrees to every 4 degrees
 - remove the contour lines to leave just the color fill
 - color range was adjusted to provide more colors for the fill
- Several updates were made to HRW products:
 - There are now just two model types, HRW-ARW and HRW-NMMB. These area-specific model types have been removed:
HRW-NMMB-AK, HRW-NMMB-PR, HRW-ARW-AK, and HRW-ARW-PR.
 - Guam and Puerto products were updated to increase lat/lon lines to every 1 degree, and Hawaii was updated to display lat/lon lines every 2 degrees.
 - Additional products have been added:
 - precip_p06
 - precip_ptot
 - dom_precip_type
- The 850_temp_precip products for HWRF-FULL, HWRF-NESTED, GHM-FULL and GHM-NESTED were updated to actually include temperature contours

- 850mb temp products for all models have been updated to contour temperature values every 5 degrees C.
 - GEFS-MNSPRD: 850_temp
 - GHM-FULL: 850_temp_precip
 - GHM-NESTED :850_temp_precip
 - HRW-ARW and HRW-NMMB :850_temp_ht
 - HRRR :850_temp_ht
 - HWRF-FULL :850_temp_precip
 - HWRF-NESTED :850_temp_precip
 - NAEFS : 850_temp
 - NAM :850_temp_ht , 850_temp_mslp_precip
 - GFS: 50_temp_ht , 850_temp_mslp_precip
 - NAM-HIRES: 850_temp_ht , 850_temp_mslp_precip
 - RAP : 850_temp_ht
 - SREF : 850_temp
- HRRR has received the following updates:
 - The precip_p15 has been replaced with precip_ptot, the total accumulated precipitation.
 - 10m_maxwnd product is no longer made for forecast hour 000.
- Some GFS products have been updated to improve readability:
 - 1000_500_thick
 - 850_700_thick
 - 10m_wnd_2m_temp
 - 10m_wnd_precip
 - 200_wnd_ht
 - 700_rh_ht
 - 500_temp_ht
 - 850_temp_ht
 - 925_temp_ht
 - 700_rh_ht omega

- The SKEWT display has updated to remove the 06z and 18z cycles
- The NAM sim_radar product has been moved from NAM to NAM-HIRES
- The NAM-HIRES has been updated
 - Sim_reflectivity has been moved from Upper Air Params to Surface-Layer Params
 - New products have been added:
 - dom_precip_type
 - precip_p03
 - precip_p06
 - precip_p12
 - precip_p24
 - precip_p36
 - precip_p48
 - precip_p60
 - Precip_ptot
 - HRW-ARW and HRW-NMMB processing has been consolidated. There is now just one HRW-ARW processor job and one HRW-NMMB job (no longer have separate ones for PR and ALASKA areas)

Primarily Web updates:

- Model GIF directories may now be subdivided under area subdirectories, and further subdivided under parameter subdirectories. This has been implemented with GFS, the GIF files under each cycle are now two levels down, under <area>/<parameter>. Rules has been introduced on the Apache webserver to rewrite the paths for file access (for those accessing the gif files directly). This ‘forwarding’ will remain in place until the next MAG release.
- The forecast hour display was updated for all models to indicate the availability of a particular forecast hour. Previously, if a forecast hour for a product was not

available for any reason, it was displayed black. Now it will be black if it is valid, but is currently unavailable (i.e. it has not yet made made). If the forecast hour is invalid for that product and will never be made, the forecast hour will be gray.

- The area coverage graphics displayed when mousing over models and areas have been updated to depict the applicable areas with a transparent white square bordered in red. Graphics for individual RTMA areas were added, replacing the graphic that displayed a continental US area for all.
- The forecast hour display was updated for all models to indicate the availability of a particular forecast hour. Previously, if a forecast hour for a product was not available for any reason, it was displayed black. Now it will be black if it is valid, but is currently unavailable (i.e. it has not yet made made). If the forecast hour is invalid for that product and will never be made, the forecast hour will be gray.
- The web code has been improved to eliminate flicker when moving to successive images via ‘next’ and ‘prev’ links
- HRW-ARW and HRW-NMMB have been consolidated into just two model types, each valid for 5 areas (CONUS, HAWAII, GUAM, ALASKA and PR). Note that each is still only available for 2 cycles, that has not changed
- Web code has been updated to be HTML5-compliant

WCOSS output changes:

New subdirectory levels for GFS files:

Each file:

gfs/<date>/<cycle>/gfs_<area>_<fhr>_<parameter>.gif

has been moved to a new subdirectory for the area and parameter:

gfs/<date>/<cycle>/<area>/<parameter>/gfs_<area>_<fhr>_<parameter>.gif

Where:

<area>=namer, same, africa, india, epac, polar, npac, atlantic, europe, asia,
arctic, alaska, spac

<parameter>=

1000_500_thick, 1000_850_thick,
10m_wnd_2m_temp, 10m_wnd_precip,
200_wnd_ht, 250_stream,
250_wnd_ht, 300_wnd_ht,
500_rh_ht, 500_temp_ht,
500_vort_ht, 700_rh_ht,
850_700_thick, 850_pw_ht,
850_rh_ht, 850_stream,
850_temp_ht, 850_temp_mslp_precip,
850vor_500ht_200wd, 850_vort_ht,
925_temp_ht, dom_precip_type,
precip_p{int} where int = 03, 06, 12, 24, 36, 48, 60, or tot

<fhr>=000, 003, .. 240 and 252, 262, ...384

<date>= YYYYMMDD

<cycle>=00, 06, 12, 18

New SREF files:

/com/mag/gifs/sref/<date>/<cycle>/
sref_alaska_<fhr>_1000_500_thick.gif
sref_alaska_<fhr>_1000_850_thick.gif
sref_alaska_<fhr>_10m_wind.gif
sref_alaska_<fhr>_250_vort_ht.gif
sref_alaska_<fhr>_250_wnd.gif
sref_alaska_<fhr>_2m_temp.gif
sref_alaska_<fhr>_500_vort_ht.gif
sref_alaska_<fhr>_700_rh.gif
sref_alaska_<fhr>_700_temp.gif
sref_alaska_<fhr>_850_700_thick.gif
sref_alaska_<fhr>_850_rh.gif
sref_alaska_<fhr>_850_temp.gif
sref_alaska_<fhr>_850_wnd.gif
sref_alaska_<fhr>_cape.gif

```
sref_alaska_<fhr>_cin.gif  
sref_alaska_<fhr>_lifted_index.gif  
sref_alaska_<fhr>_mslp.gif  
sref_alaska_<fhr>_precip_p06.gif  
sref_alaska_<fhr>_precip_p12.gif  
sref_alaska_<fhr>_precip_p24.gif  
sref_alaska_<fhr>_prob_10m_wind.gif  
sref_alaska_<fhr>_prob_2m_temp.gif  
sref_alaska_<fhr>_prob_cape.gif  
sref_alaska_<fhr>_prob_precip_25.gif  
where <fhr>=000, 003, .. 087  
      <date>= YYYYMMDD  
      <cycle>=03, 09, 15, and 21
```

New RAP files:

```
/com/mag/gifs/rap/<date>/<cycle>/  
  rap_namer_<fhr>precip_p15.gif  
  rap_namer_<fhr>_precip_rate.gif  
  rap_namer_<fhr>_vis_sim_radar_1km.gif,  
  rap_namer_<fhr>_sim_radar_comp.gif  
  rap_namer_<fhr>_2m_temp_10m_wnd.gif  
  rap_namer_<fhr>_2m_dewp_10m_wnd.gif  
  rap_namer_<fhr>_10m_wnd_sfc_gus.gif  
  
  rap_namer_<fhr>precip_p15_s.gif  
  rap_namer_<fhr>_precip_rate5_s.gif  
  rap_namer_<fhr>_vis_sim_radar_1km5_s.gif,  
  rap_namer_<fhr>_sim_radar_comp5_s.gif  
  rap_namer_<fhr>_2m_temp_10m_wnd5_s.gif  
  rap_namer_<fhr>_2m_dewp_10m_wnd5_s.gif  
  rap_namer_<fhr>_10m_wnd_sfc_gus5_s.gif  
  
  rap_namer_<fhr>precip_p15_l.gif  
  rap_namer_<fhr>_precip_rate_l.gif  
  rap_namer_<fhr>_vis_sim_radar_1km_l.gif,  
  rap_namer_<fhr>_sim_radar_comp_l.gif  
  rap_namer_<fhr>_2m_temp_10m_wnd_l.gif  
  rap_namer_<fhr>_2m_dewp_10m_wnd_l.gif  
  rap_namer_<fhr>_10m_wnd_sfc_gus_l.gif  
  
where <fhr>=000, 001, .. 018  
      <date>= YYYYMMDD
```

<cycle>=00..23

RTMA swregion area name was changed to sw_us:

/com/mag/gifs/rtma/<date>/<cycle>/

rtma_swregion_000_10m_wnd.gif -> rtma_sw_us_000_10m_wnd.gif
rtma_swregion_000_2m_dwpt.gif -> to rtma_sw_us_000_2m_dwpt.gif
rtma_swregion_000_2m_temp.gif -> rtma_sw_us_000_2m_temp.gif
where: <date>= YYYYMMDD
<cycle>=00..23

HRRR precip_p15 product was replaced with precip_ptot:

/com/mag/gifs/hrrr/<date>/<cycle>/

hrrr_cent-us_<fhr>_precip_p15.gif -> hrrr_cent-us_<fhr>_precip_ptot.gif
hrrr_cent-us_<fhr>_precip_p15_l.gif -> hrrr_cent-us_<fhr>_precip_ptot_l.gif
hrrr_cent-us_<fhr>_precip_p15_s.gif -> hrrr_cent-us_<fhr>_precip_ptot_s.gif
hrrr_conus_<fhr>00_precip_p15.gif -> hrrr_conus_<fhr>00_precip_ptot.gif
hrrr_conus_<fhr>00_precip_p15_l.gif -> hrrr_conus_<fhr>00_precip_ptot_l.gif
hrrr_conus_<fhr>00_precip_p15_s.gif -> hrrr_conus_<fhr>00_precip_ptot_s.gif
hrrr_east-us_<fhr>00_precip_p15.gif -> hrrr_east-us_<fhr>00_precip_ptot.gif
hrrr_east-us_<fhr>00_precip_p15_l.gif -> hrrr_east-us_<fhr>00_precip_ptot_l.gif
hrrr_east-us_<fhr>00_precip_p15_s.gif -> hrrr_east-us_<fhr>00_precip_ptot_s.gif
hrrr_west-us_<fhr>00_precip_p15.gif -> hrrr_west-us_<fhr>00_precip_ptot.gif
hrrr_west-us_<fhr>00_precip_p15_l.gif -> hrrr_west-us_<fhr>00_precip_ptot_l.gif
hrrr_west-us_<fhr>00_precip_p15_s.gif -> hrrr_west-us_<fhr>00_precip_ptot_s.gif

Where <area> = cent-us, east-us, west-us, and conus

<fhr>=000..015

<date>= YYYYMMDD

<cycle>=00..23

New HRW-ARW files:

/com/mag/gifs/hrw-arw/<date>/<cycle>/

hrw-arw_<area>_<fhr>_precip_p06.gif Where fhr=06..048
hrw-arw_<area>_<fhr>_precip_ptot.gif Where fhr=03..048
hrw-arw_<area>_<fhr>_dom_precip_type.gif Where fhr=03..048

Where <area>=conus, alaska, pr, guam, and hawaii

<fhr>=000..015

<date>= YYYYMMDD

<cycle>=00..48

00z and 12z : <area>=conus, hawaii, and guam

06 and 18z: <area>=alaska and pr

New HRW-NMMB files:

/com/mag/gifs/hrw-nmmmb/<date>/<cycle>/

hrw-arw_<area>_<fhr>_precip_p06.gif Where <fhr>=06..048

hrw-arw_<area>_<fhr>_precip_ptot.gif Where <fhr>=03..048

hrw-arw_<area>_<fhr>_dom_precip_type.gif Where <fhr>=03..048

Where <area>=conus, alaska, pr, guam, and hawaii

<date>= YYYYMMDD

<cycle>=00..48

00z and 12z :conus, hawaii, and guam

06 and 18z: <area>=alaska and pr

New NAM-HIRES:

/com/mag/gifs/nam-hires/<date>/<cycle>/

nam-hires_<area>_<fhr>_dom_precip_type.gif, where <fhr>=006..060, 06

nam-hires_<area>_<fhr>_precip_p03.gif, where <fhr>=003..060, 06

nam-hires_<area>_<fhr>_precip_p06.gif, where <fhr>=006..060, 06

nam-hires_<area>_<fhr>_precip_p12.gif, where <fhr>=012..060, 06

nam-hires_<area>_<fhr>_precip_p24.gif, where <fhr>=024..060, 06

nam-hires_<area>_<fhr>_precip_p36.gif, where <fhr>=036..060, 06

nam-hires_<area>_<fhr>_precip_p48.gif, where <fhr>=048..060, 06

nam-hires_<area>_<fhr>_precip_p60.gif, where <fhr>=060..060, 06

nam-hires_<area>_<fhr>_precip_ptot.gif, where <fhr>=003..060, 06

Where <area>=conus and alaska

<date>= YYYYMMDD

<cycle>=00, 06, 12, 18

Skewt products for 06 and 18z have been removed:

/com/mag/gifs/skewt/<date>/<cycle>/

Where <cycle>=06 and 18

<date>= YYYYMMDD

WCOSS resource info:

Increase for new HRW products:

2700 files/day and 200MB/day

Increase for additional NAM-HIRES files:

512 files/day and 72MB/day

Increase for new SREF Alaska files:

2816 files/day and 157MB/day

Increase for new RAP products:

1800 files/day and 112MB/day

Decrease for removal Skewt cycles:

400K/day

Total new files: 7878/day

Total additional space: 141GB/day

Network resource info:

Increased volume to sync new all files to ncorzdm (same as additional space in WCOSS recourse info).

Increase volume to sync all MAG products to Boulder

Approx 34.7GB/day

Implementation instructions:

Implementation Instructions for MAG 3.10.1

1. Download mag.v3.10.0 from svn tag to /nwprod
https://vlab.ncep.noaa.gov/svn/ncep-mag/mag/web/tags/mag.v3.10.0_prod/
2. Update /nwprod/vendors/mag.ver to 3.10.1
3. Update ecfow with defs and scripts from ecf subdirectory

4. Notify the MAG development team that the implementation is complete in order to coordinate updates to the web code on the ncorzdm concurrent with the implementation.

WCOSS updates

Updated files:

```
./ush/gefs_mnsprd.sh  
./ush/hwrf_nested.sh  
./ush/ghm_nested.sh  
./ush/ww3.sh  
./ush/nam_sim_radar.sh  
./ush/sref.sh  
./ush/hiresw.sh  
./ush/nam_gfs_precip.sh  
./ush/hrrr.sh  
./ush/move_gif_files.sh  
./ush/rap.sh  
./ush/hwrf_full.sh  
./ush/nam_gfs_param.sh  
./ush/nam_hiresw.sh  
./ush/ghm_full.sh  
./ush/gurtma.sh  
./ush/setup.sh  
./ush/rtma.sh  
./ush/naefs_bc_gesprd.sh  
./fix/MAG.xml  
./fix/MAG_sync_table.tbl  
./fix/datatype.tbl  
./sorc/skewtmap/skewtmap.c  
./scripts/exsendmag2web.sh.ecf  
./scripts/magv3-xml-library.pl  
./scripts/mag_processor_config  
./scripts/exmag_processor.pl  
./scripts/exmag_processor_hurr.pl  
./ecf/defs/mag.def  
./ecf/scripts/mag/mag_processor/gfs/mag_gfs_processor.ecf  
./ecf/scripts/mag/mag_processor/sref/mag_sref_processor.ecf
```

./ecf/scripts/mag/mag_processor/uair/mag_uair_processor.ecf
./ecf/scripts/mag/mag_processor/rap/mag_rap_processor.ecf
./ecf/scripts/mag/mag_processor/wave/mag_wave_processor.ecf
./ecf/scripts/mag/mag_processor/wave/mag_wave_enp_processor.ecf
./ecf/scripts/mag/mag_processor/wave/mag_wave_wna_processor.ecf
./ecf/scripts/mag/mag_processor/rtma/mag_rtma_processor.ecf
./ecf/scripts/mag/mag_processor/rtma/mag_rtma_guam_processor.ecf
./ecf/scripts/mag/mag_processor/gefs/mag_gefs_mnsprd_processor.ecf
./ecf/scripts/mag/mag_processor/gefs/mag_gefs_spag_processor.ecf
./ecf/scripts/mag/mag_processor/hwrf/mag_hwrf_full_processor.ecf
./ecf/scripts/mag/mag_processor/hwrf/mag_hwrf_nested_processor.ecf
./ecf/scripts/mag/mag_processor/ghm/mag_ghm_full_processor.ecf
./ecf/scripts/mag/mag_processor/ghm/mag_ghm_nested_processor.ecf
./ecf/scripts/mag/mag_processor/nam/mag_nam_hires_processor.ecf
./ecf/scripts/mag/mag_processor/nam/mag_nam_processor.ecf
./ecf/scripts/mag/mag_processor/naefs/mag_naefs_processor.ecf
./ecf/scripts/mag/mag_processor/hrrr/mag_hrrr_processor.ecf
./ecf/scripts/mag/mag_processor/hrrr/mag_hrrrsubh_processor.ecf
./ecf/scripts/mag/mag_processor/polar/mag_polar_processor.ecf
./ecf/scripts/mag/mag_processor/skewt/mag_skewt_processor.ecf
./ecf/scripts/mag/mag_send2web/gfs/ecmag_sync_gfs.ecf
./ecf/scripts/mag/mag_send2web/sref/ecmag_sync_sref.ecf
./ecf/scripts/mag/mag_send2web/uair/ecmag_sync_uair.ecf
./ecf/scripts/mag/mag_send2web/hiresw/ecmag_sync_hiresw_arw.ecf
./ecf/scripts/mag/mag_send2web/hiresw/ecmag_sync_hiresw_nmmb.ecf
./ecf/scripts/mag/mag_send2web/rap/ecmag_sync_rap.ecf
./ecf/scripts/mag/mag_send2web/wave/ecmag_sync_wave.ecf
./ecf/scripts/mag/mag_send2web/wave/ecmag_sync_wave_enp.ecf
./ecf/scripts/mag/mag_send2web/wave/ecmag_sync_wave_wna.ecf
./ecf/scripts/mag/mag_send2web/rtma/ecmag_sync_rtma_guam.ecf
./ecf/scripts/mag/mag_send2web/rtma/ecmag_sync_rtma.ecf
./ecf/scripts/mag/mag_send2web/gefs/ecmag_sync_gefs_spag.ecf
./ecf/scripts/mag/mag_send2web/gefs/ecmag_sync_gefs_msprd.ecf
./ecf/scripts/mag/mag_send2web/hwrf/ecmag_sync_hwrf_full.ecf
./ecf/scripts/mag/mag_send2web/hwrf/ecmag_sync_hwrf_nested.ecf
./ecf/scripts/mag/mag_send2web/ghm/ecmag_sync_ghm_full.ecf
./ecf/scripts/mag/mag_send2web/ghm/ecmag_sync_ghm_nested.ecf
./ecf/scripts/mag/mag_send2web/nam/ecmag_sync_nam.ecf
./ecf/scripts/mag/mag_send2web/nam/ecmag_sync_nam_radar.ecf
./ecf/scripts/mag/mag_send2web/nam/ecmag_sync_nam_hires.ecf
./ecf/scripts/mag/mag_send2web/naefs/ecmag_sync_naefs.ecf
./ecf/scripts/mag/mag_send2web/hrrr/ecmag_sync_hrrr.ecf
./ecf/scripts/mag/mag_send2web/polar/ecmag_sync_polar.ecf

```
./ecf/scripts/mag/mag_send2web/skewt/ecmag_sync_skewt.ecf  
./ecf/scripts/envir.h  
.jobs/J SNDMAG2WEB  
.jobs/JMAG
```

New files:

```
ush/get_model_areas.pl  
ush/find_failed.sh  
ush/get_model_params.pl  
ush/get_subdir_levels.pl  
ecf/scripts/mag/mag_processor/hiresw/mag_hiresw_arw_processor.ecf  
ecf/scripts/mag/mag_processor/hiresw/mag_hiresw_nmmb_processor.ecf  
ecf/scripts/mag/mag_processor/nam/mag_nam_sim_radar_processor.ecf  
ecf/scripts/mag/mag_send2web_b/gfs/ecmag_sync_b_gfs.ecf  
ecf/scripts/mag/mag_send2web_b/sref/ecmag_sync_b_sref.ecf  
ecf/scripts/mag/mag_send2web_b/uair/ecmag_sync_b_uair.ecf  
ecf/scripts/mag/mag_send2web_b/hiresw/ecmag_sync_b_hiresw_arw.ecf  
ecf/scripts/mag/mag_send2web_b/hiresw/ecmag_sync_b_hiresw_nmmb.ecf  
ecf/scripts/mag/mag_send2web_b/rap/ecmag_sync_b_rap.ecf  
ecf/scripts/mag/mag_send2web_b/wave/ecmag_sync_b_wave.ecf  
ecf/scripts/mag/mag_send2web_b/wave/ecmag_sync_b_wave_enp.ecf  
ecf/scripts/mag/mag_send2web_b/wave/ecmag_sync_b_wave_wna.ecf  
ecf/scripts/mag/mag_send2web_b/rtma/ecmag_sync_b_rtma_guam.ecf  
ecf/scripts/mag/mag_send2web_b/rtma/ecmag_sync_b_rtma.ecf  
ecf/scripts/mag/mag_send2web_b/gefs/ecmag_sync_b_gefs_spag.ecf  
ecf/scripts/mag/mag_send2web_b/gefs/ecmag_sync_b_gefs_msprd.ecf  
ecf/scripts/mag/mag_send2web_b/hwrf/ecmag_sync_b_hwrf_full.ecf  
ecf/scripts/mag/mag_send2web_b/hwrf/ecmag_sync_b_hwrf_nested.ecf  
ecf/scripts/mag/mag_send2web_b/ghm/ecmag_sync_b_ghm_full.ecf  
ecf/scripts/mag/mag_send2web_b/ghm/ecmag_sync_b_ghm_nested.ecf  
ecf/scripts/mag/mag_send2web_b/nam/ecmag_sync_b_nam.ecf  
ecf/scripts/mag/mag_send2web_b/nam/ecmag_sync_b_nam_radar.ecf  
ecf/scripts/mag/mag_send2web_b/nam/ecmag_sync_b_nam_hires.ecf  
ecf/scripts/mag/mag_send2web_b/naefs/ecmag_sync_b_naefs.ecf  
ecf/scripts/mag/mag_send2web_b/hrrr/ecmag_sync_b_hrrr.ecf  
ecf/scripts/mag/mag_send2web_b/polar/ecmag_sync_b_polar.ecf  
ecf/scripts/mag/mag_send2web_b/skewt/ecmag_sync_b_skewt.ecf
```

Deleted files:

```
ecf/scripts/mag/mag_processor/hiresw/mag_hiresw_arw_ak_processor.ecf
```

ecf/scripts/mag/mag_processor/hiresw/mag_hiresw_arw_conus_processor.ecf
ecf/scripts/mag/mag_processor/hiresw/mag_hiresw_arw_pr_processor.ecf
ecf/scripts/mag/mag_processor/hiresw/mag_hiresw_nmmb_ak_processor.ecf
ecf/scripts/mag/mag_processor/hiresw/mag_hiresw_nmmb_conus_processor.ecf
ecf/scripts/mag/mag_processor/hiresw/mag_hiresw_nmmb_pr_processor.ecf
ecf/scripts/mag/mag_processor/nam/mag_nam_radar_processor.ecf

Website updates

Updated files:

./cwi/center_links.php
./cwi/dtd.php
./cwi/header.php
./Image4anis_body.php
diff: /home/www/nco_mag/prod/htdocs/.error/404Handler.php: No such file or directory
./ImageFourPanel_body.php
./Image_body.php
./Image_skewt_body.php
./Imageanis_body.php
./observation-parameter_body.php
./get-banner.php
./index_body.php
./mag_functions.php
./tropical-guidance-model-parameter_body.php
./model-guidance-model-area_body.php
./model-guidance-model-parameter_body.php
./observation-skewt-parameter_body.php
./observation-type-area_body.php

New files:

GFS_directory_change_body.php
create_mag_links.sh
version_updates.html

version_updates_body.php
error/404Handler.php

Deleted files:

MAG_Planned_Updates.pdf